

Aluminum Fencing Minimum Requirements

Background

US Embassy Libreville, Gabon is seeking to purchase custom aluminum privacy fencing to be installed by the Embassy at their residential compound (Sabliere Compound). The residential compound consists of six townhouses. Each townhouse has a privacy fence in the back yard and another small fence separating the entrances in the front. Fencing will also be required for dumpster and utility enclosures. Sabliere Compound is located on the coast and is continually subject salt and sand from the ocean. The environment is highly corrosive and requires materials that are rust resistant.

General Requirements

- “Slat screen” design or equivalent
- Slat Spacing
 - 25 mm at townhouses
 - 15mm at utility enclosures
- Aluminum Gauge- standard to commercial installations (.065” to .088” thick)
- Length of fencing- according to attachments
- Height of fencing
 - Townhouses- 1163 mm fence height (to be installed on an elevated concrete base)
 - Utility Enclosures- 1800 mm fence height (to be installed on a ground level concrete base)
- Doors
 - Townhouses- 2 single door gates and 4 double door gates
 - Utility Enclosures- 4 sets of double door gates (3 at dumpster enclosure (2100mm total opening with posts), 1 at utility) and 1 single
- Front Openings
 - Fencing should fit into the existing openings per below measurements.
- Color- provide options to match existing color palette (SW7602 and SW9166)
- Installation- **NOT included in the request**
 - Piece shall be fabricated in order to be shipped and assembled on site.

The fence construction should be of high strength aluminum alloy 6105-T5 or equivalent. All fence components, to include all posts, bolts, screws, etc., shall be rated for coastal conditions. Strength and anti-rust properties are of the highest importance. Posts shall be above ground. All construction and specifications shall meet IBC 2015 and ASTM codes. Photos of the site, style, and sketches are provided as attachments to the document. Color needs to go with, not be the same, as the colors provided.

Shipping Information

Vendor is responsible for shipping the materials to the following address.

LBV PO# IKUN, LLC
2801 Route 130, Unit 1
North Brunswick, New Jersey, 08902
United States

Measurements, Drawings, and Pictures

Unit #1- Front opening- 2010mm x 2134mm



Unit #2- Front opening- 1951mm x 2137mm



Unit #3- Front opening- 1960mm x 2021mm



Unit #4- Front opening- 1757mm x 1869mm



Unit #5- Front opening- 2081mm x 1840mm



Unit #6- Front opening- 2001mm x 1860mm (Embassy will install a ledge that meets this dimension)



Utility/Dumpster Areas- (See drawings for measurements)



Single gate and double gate with fence line- Utility area



Area where dumpster enclosure will go, Embassy will install concrete pad.

Existing Unit Fencing

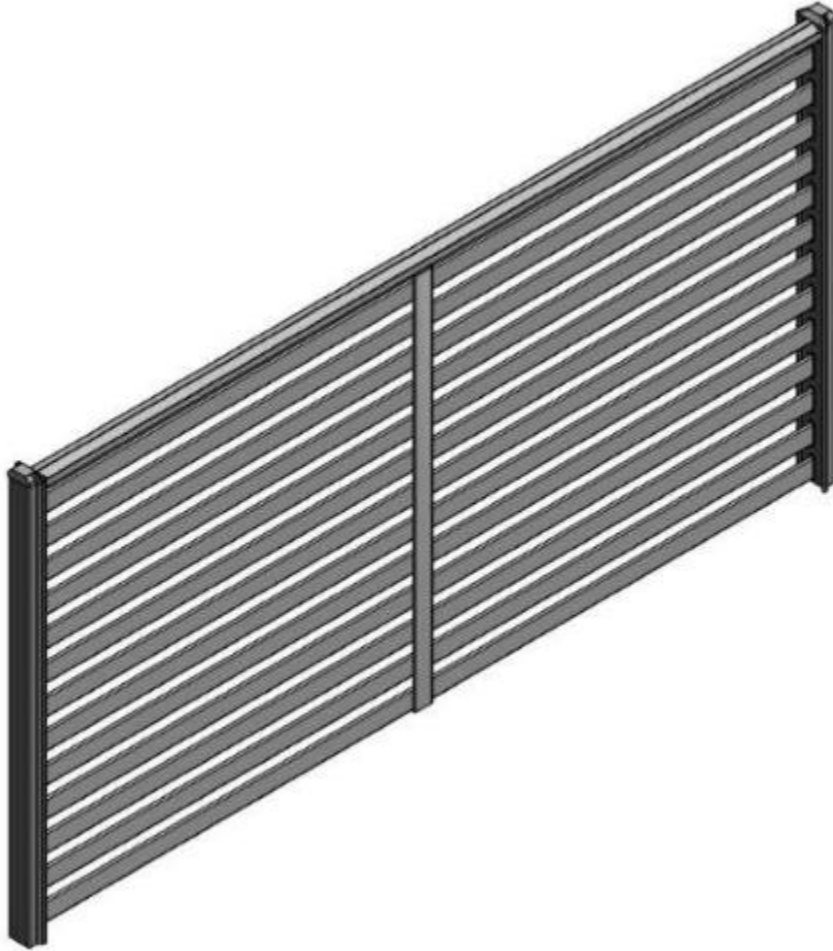


Units 4-6



Units 1-3

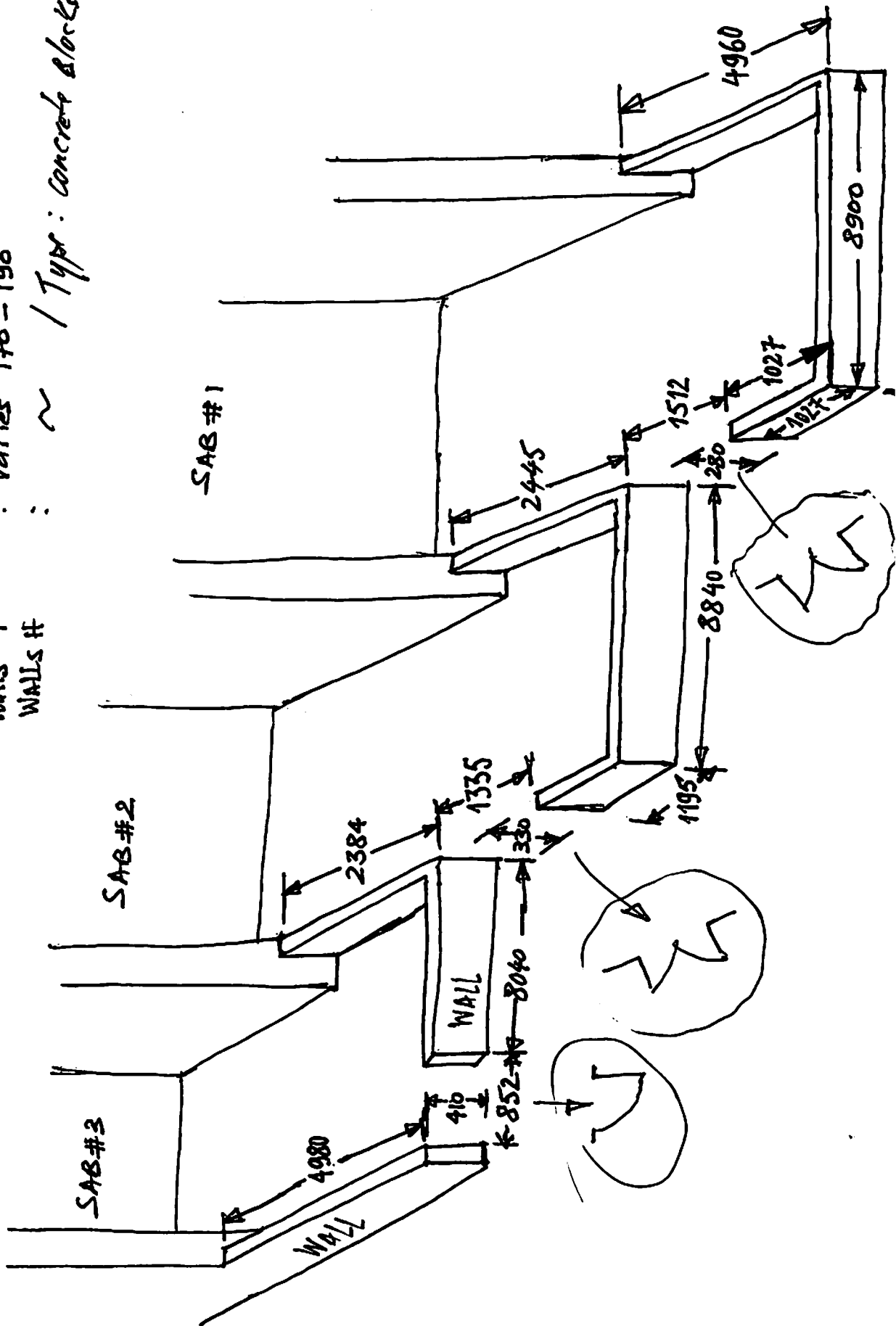
Example of desired design. Contractor to provide similar design.



SAB CMPD
Block #1

Measures in mm

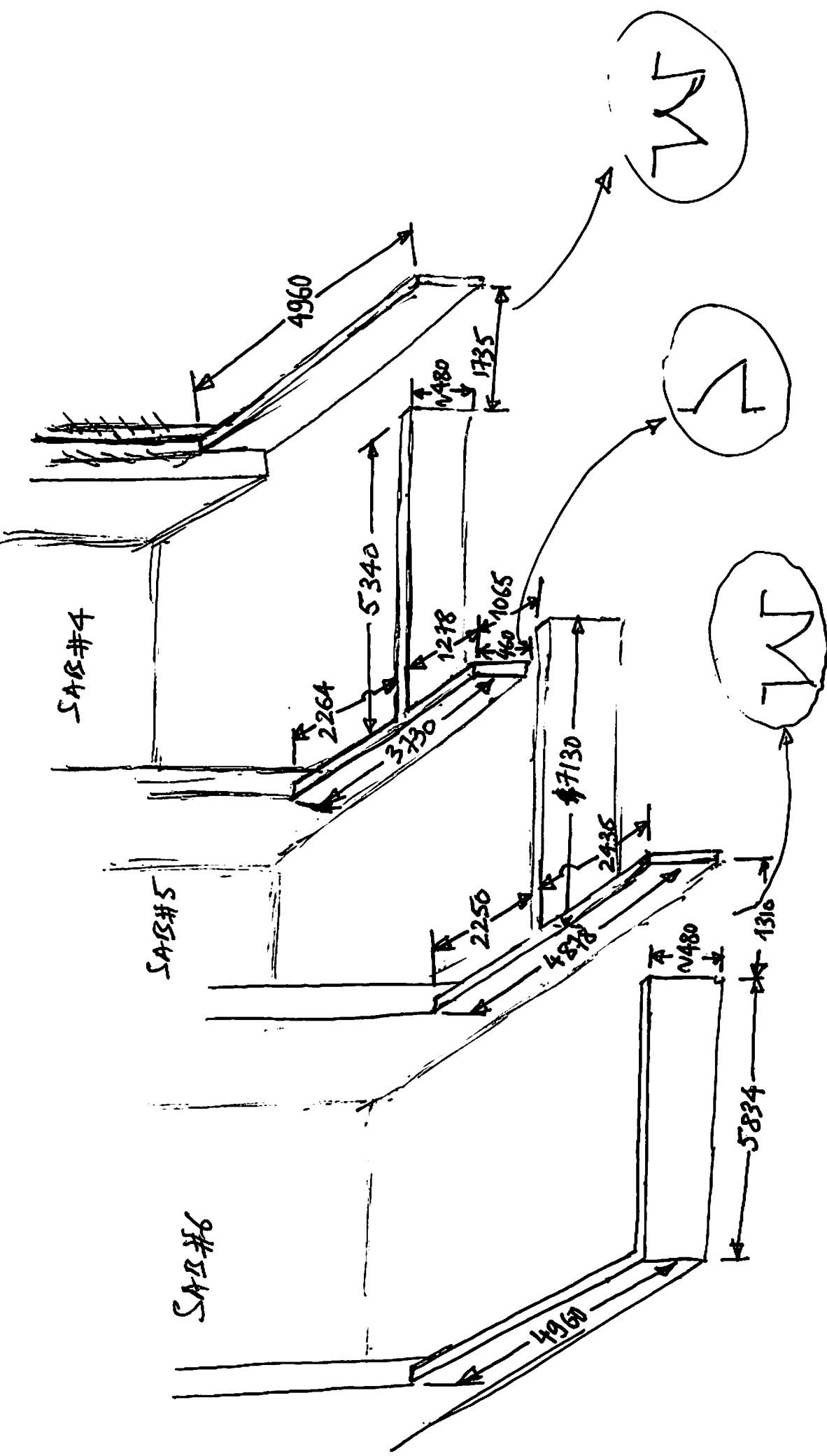
Walls T : Varies 170-190
Walls H : ~ / Type: concrete blocks.

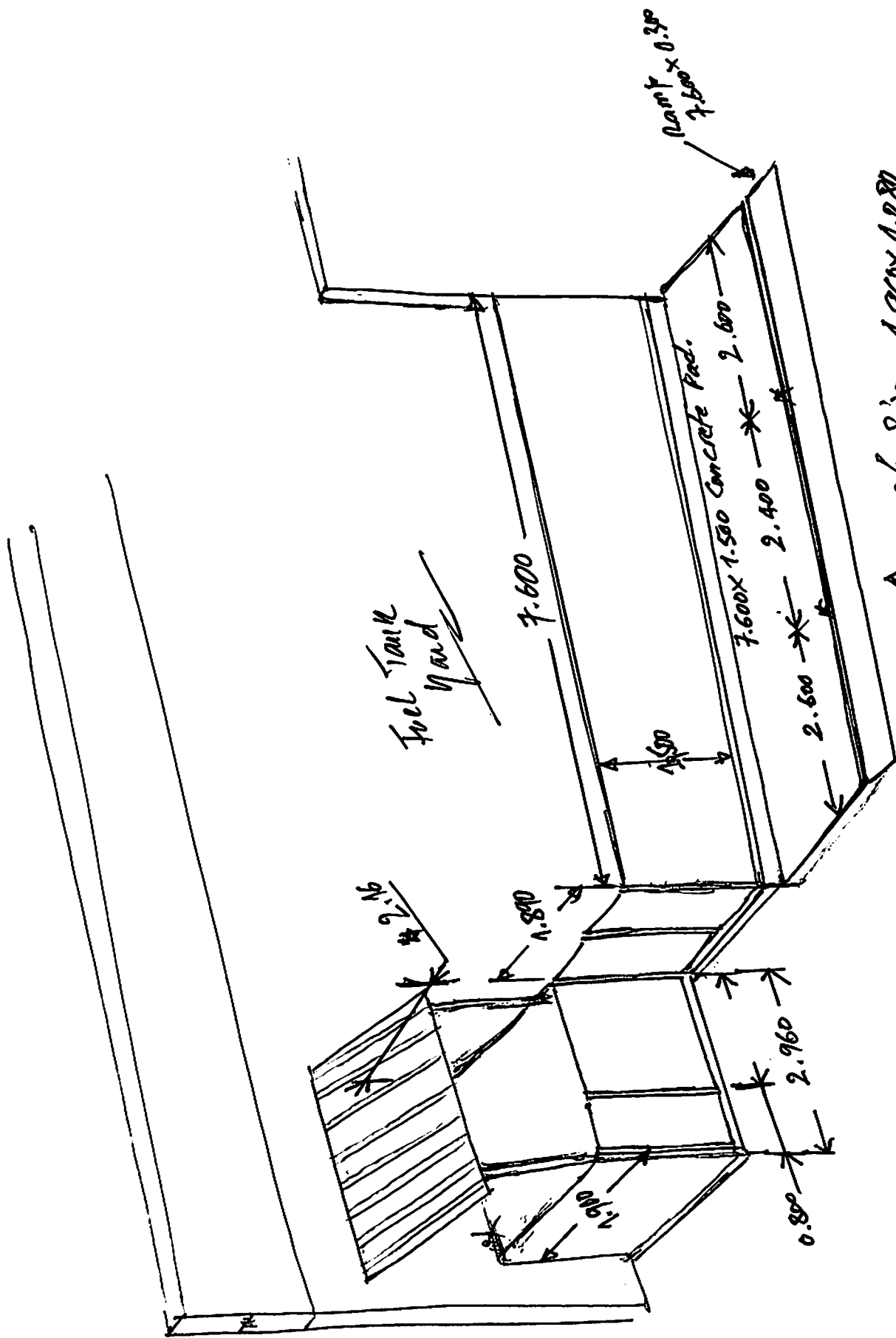


SAB CHPD
Block #2

Measures in mm

Walls TH : Varies 170-190





Dumpster Size: 1.950 x 1.080